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DOCKET NO.: LSI-004-CIP  
LSI Reference: 01-002

Continuation-in-Part

JC857 U.S. PTO  
02/22/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

J1002U.S.PTO  
10/08/02  
02/22/02



In re patent application of:

**METHOD AND APPARATUS FOR GENERATING TRANSMIT ADAPTIVE  
ANTENNA WEIGHTS WITH NULLING USING BINARY GRADIENT FEEDBACK**

For: Brian C. Banister

"Express Mail" Label No. EK916662783US  
Date of Deposit: February 22, 2002

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service, with sufficient postage, under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

By Barbara Kelly  
Typed Name: Barbara S. Kelly

**BOX PATENT APPLICATION**

Assistant Commissioner for Patents  
Washington DC 20231

Sir:

**PATENT APPLICATION TRANSMITTAL LETTER**

Transmitted herewith for filing, please find the following:

- (XX) The specification of the above-referenced patent application; pp. 1-55, plus a cover page.
- (XX) Ten (10) sheet(s) of ( ) **formal**/(XX) **informal** drawing(s) or photographs.
- (XX) A COPY of an (XX) **executed**/( ) **unexecuted** Declaration or Oath and Power of Attorney, 3 pages.
- (XX) Other (specify): **Request and Certification Under 35 U.S.C. 122 (b)(2)(B)(i)**, 1 page.

The filing fee has been calculated as shown below:

			SMALL ENTITY			OTHER THAN SMALL ENTITY	
For:	No. Filed	No. Extra	Rate	Fee	OR	Rate	Fee
<b>BASIC FEE</b>				\$	<u>OR</u>		\$ 740
Total Claims	46 - 20 =	26	x \$9=	\$	<u>OR</u>	x \$18=	\$ 468
Indep. Claims	8 - 3 =	5	x \$42=	\$	<u>OR</u>	x \$84=	\$ 420
First Presentation Multiple Dependent Claims			+\$140=	\$	<u>OR</u>	+\$280 =	\$0
<b>TOTAL</b>				\$			\$1,628

(XX) The Commissioner is hereby authorized to charge payment of the filing fees associated with this communication in the amount of \$1,628 to Deposit Account No. **12-2252**. The Commissioner is also authorized to charge payment of the following fees associated with this communication or credit any overpayment to the Deposit Account No. listed above. This sheet is attached in triplicate.

(XX) Any additional filing fees required under 37 CFR 1.16 including fees for presentation of extra claims.

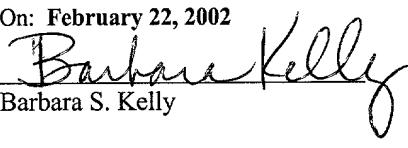
(XX) Any additional patent application processing fees under 37 CFR 1.17 and under 37 CFR 1.20(d).

Date: February 22, 2002

By:   
Signature: Allan Y. Lee  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant :	Brian C. Banister	I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service via EXPRESS MAIL NO: EK916662783US, with sufficient postage, under 37 CFR 1.10 on the date indicated below and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231,  On: February 22, 2002  Barbara S. Kelly
App. No. :	Unknown	
Filed :	Herewith (February 22, 2002)	
For :	<b>METHOD AND APPARATUS FOR GENERATING TRANSMIT ADAPTIVE ANTENNA WEIGHTS WITH NULLING USING BINARY GRADIENT FEEDBACK</b>	
Group Art:	Unknown	
Examiner:	Unknown	

**REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)**

Assistant Commissioner for Patents  
Washington, DC 20231

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

Respectfully submitted,

Date: February 22, 2002  
By:   
Allan Y. Lee  
Registration No. 43,744  
Attorney of Record  
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